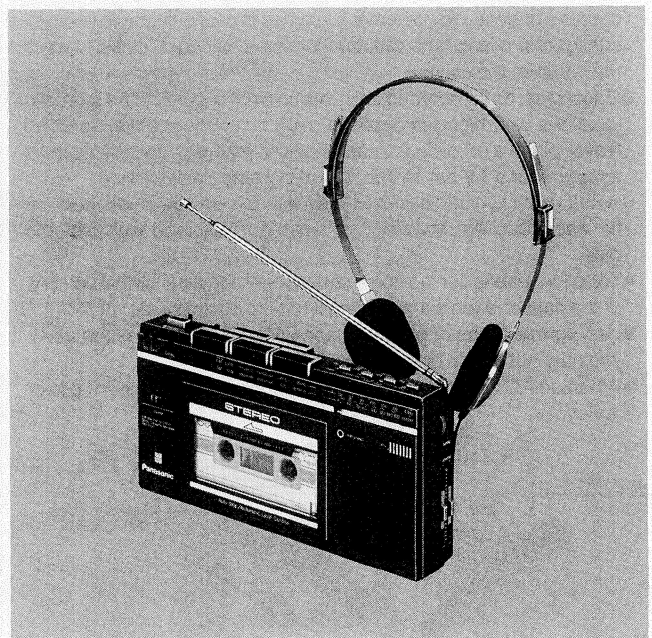
Operating Instructions

Mode d'emploi
Bedienungsanleitung
Gebruiksaanwijzing
Bruksanvisning
Brugsvejledning

FM/AM Radio Stereo Cassette Recorder

MODEL NO. RX-2700



National Panasonic

Read these instructions completely before operating this set.

Thank you for purchasing this Panasonic Stereo Radio Cassette Recorder. For optimum performance follow these operating instructions carefully.

ENGLISH 3~10

Nous vous remercions d'avoir acheté cette radio stéréophonique à magnéto-cassette de Panasonic. Pour être à même de l'utiliser correctement, veuillez lire attentivement cette brochure.

FRANÇAIS 11~18

Wir danken Ihnen, daß Sie sich für dieses Panasonic Stereo-Radio/Cassetten-bandgerät entschieden haben. Um es richtig zu verwenden, lesen, Sie bitte diese Bedienungsanleitung sorgfältig durch.

DEUTSCH 19~26

Tak fordi De har valgt denne Panasonic stereo kassetteradio. For at få det størst mulige udbytte af apparatet bedes De gennemlæse denne betjeningsvejledning.

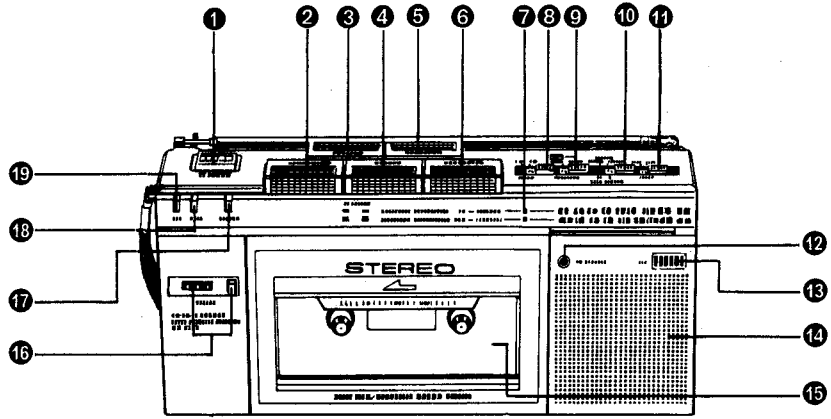
DANSK 27~34

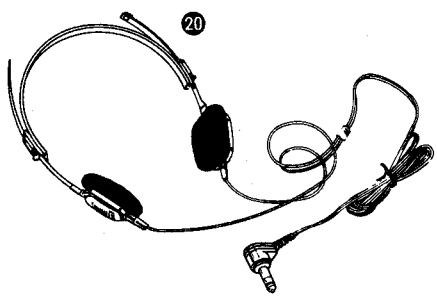
Tack för valet av denna Panasonic kassettradio. För rätt hantering, läs igenom bruksanvisningen noggrant.

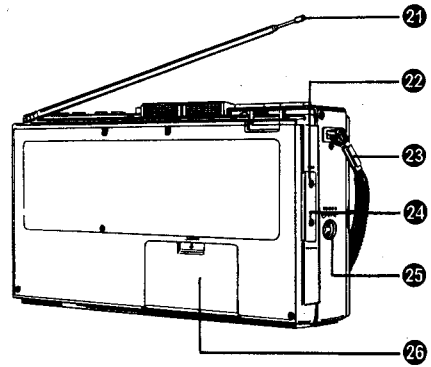
SVENSKA 35~42

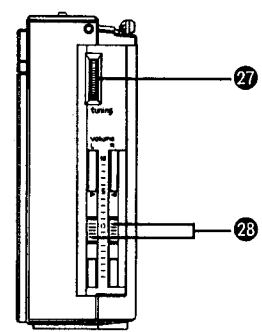
Dank U voor de aankoop van deze Panasonic stereo radio cassetterecorder. Volg deze handleiding zorgvuldig terwille van een optimale werking.

NEDERLANDS 43~50


1
2
3
4
5
6
7
8
9
10
11
19
18
17
16
12
13
14
15
STEREO

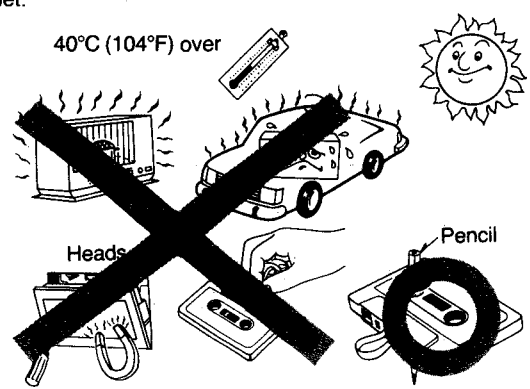

20


21
22
23
24
25
26


27
28

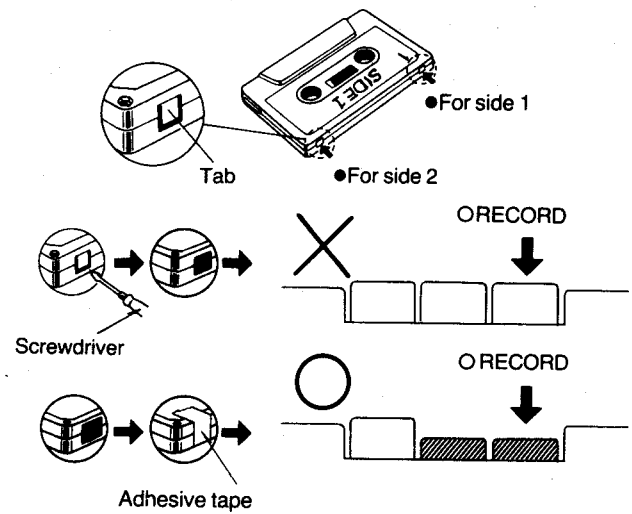
PRECAUTIONS

- Do not use the headphones while driving a car to prevent traffic accidents.
- Avoid using or placing this unit and supplied headphones near sources of heat. Do not leave it in an automobile exposed to direct sunlight for a long time with the doors and windows closed as this may deform the cabinet.
- Cassettes, both recorded and unrecorded, should not be stored in locations with high temperature, high humidity or direct sunlight. Never place a recorded cassette near a magnetic source, such as a magnet or a TV set as this may affect tape performance.
- Avoid using C-120 cassette tapes with this unit because they can be easily broken, stretched or twisted if not used with extreme care.
- Tape looseness can be corrected by inserting a pencil through one of the cassette reels and turning it to take up the slack.
- Use normal types of cassette tapes only. If other tapes are used, you may not obtain optimum performance.
- When an AC adaptor is not in use, disconnect it from the AC power outlet.



RECORD PREVENTION TABS (KNOCK-OUT TABS)

Cassettes are provided with plastic tabs (as illustrated) to prevent accidental erasing of a recording.
Recordings can be made only when the tab is intact.
There is one tab for each side (track) of the tape. To preserve a valuable recording, the tab(s) should be broken off with a small screwdriver.
If you want to record on a track whose tab has already been broken off, use adhesive tape to cover the hole, and record.



LOCATION OF CONTROLS

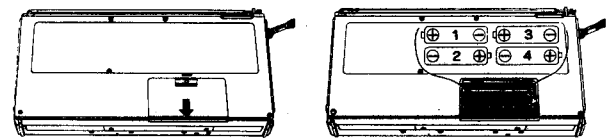
❶ **Pause Button (❚❚ PAUSE)**
❷ **Stop/Eject Button (■ STOP/⏏ EJECT)**
❸ **Fast Forward/Cue Button (◀◀ /CUE)**
❹ **Playback Button (◀ PLAY)**
❺ **Rewind/Review Button (REVIEW/ ▶▶)**
❻ **Record Button (○ RECORD)**
❼ **Band Indicators**
❽ **Radio Band Selector (band)**
❾ **Tape/Radio Selector (selector)**
❿ **Mode Switch/Beat Proof Switch (mode/beat proof)**
⓫ **Tone Switch (tone)**
⓬ **FM Stereo Indicator (FM stereo)**
⓭ **Built-in Microphone (mic)**
⓮ **Built-in Speaker**
⓯ **Cassette Compartment**
⓰ **Tape Counter and Reset Button (counter)**
⓱ **Tuning Indicator (tuning)**
⓲ **Battery Indicator (batt)**
⓳ **Recording Indicator (rec)**
⓴ **Exclusive Stereo Headphones**
The headphones cord also serves an FM antenna.
㉑ **Telescopic Antenna**
㉒ **Microphone Jack (mic)**
㉓ **Hand Strap**
㉔ **Headphones Jack (phones)**
㉕ **DC Input Jack (DC in 6 V ⊖-⊃-⊕)**
㉖ **Battery Compartment**
㉗ **Tuning Control (tuning)**
㉘ **Volume Controls (volume L, R)**

This unit enables you to enjoy listening to the FM broadcasts *and cassette tapes in stereo with the Exclusive Stereo* Headphones (included).

POWER SOURCE

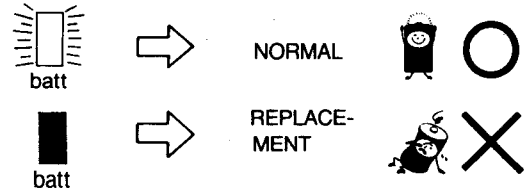
■ Battery Operation:

1) Open the battery compartment cover as shown in the figure.
2) Insert 4 "AA" size (National UM-3 or equivalent) batteries into the battery compartment, making sure that the batteries are installed in the specified numerical order and that the proper polarities are maintained.
3) Replace the compartment cover.



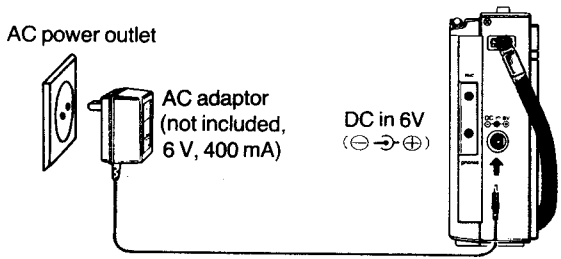
Note:
To operate on battery power, unplug the AC adaptor from the household AC power outlet and the DC Input Jack on the unit.

•Battery life
When the batteries are weak, the tape speed will slow down, the sound will become distorted, and the volume will decrease.
Depress the Playback Button. When the Battery Indicator goes out or dims, it is time to replace all the batteries with new ones.



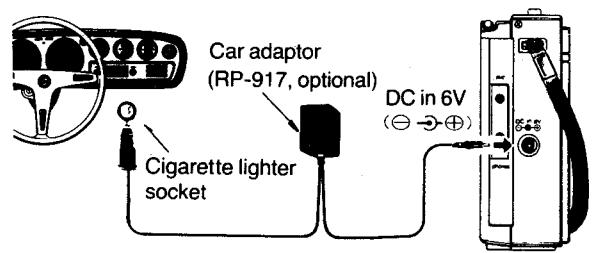
■ AC Power Operation:

1) Insert the plug of the AC adaptor cord into the DC Input Jack.
2) Plug the AC adaptor into your household AC power outlet.
   Upon plugging the AC adaptor cord in the DC Input Jack, the unit will automatically switch from battery to AC operation.



■ Car Battery Operation:

1) Insert the plug of the car battery adaptor cord into the DC Input Jack.
2) Plug the other end into the cigarette lighter socket in your car.
   Upon plugging the car battery adaptor cord in the DC Input Jack, the unit will automatically switch from internal battery to car battery operation.



Note:
For the connection of an adaptor cord, follow the instructions provided with it.

LISTENING TO THE RADIO

When listening to the FM stereo broadcasts, use the Exclusive Stereo Headphones (included).

1) Set the Tape/Radio Selector to "radio".
2) Set the Radio Band Selector to the desired band; "FM" or "AM".
3) Tune in your favorite station using the Tuning Control. Adjust the Tuning Control for optimum sound quality by observing which position lights the Tuning Indicator.

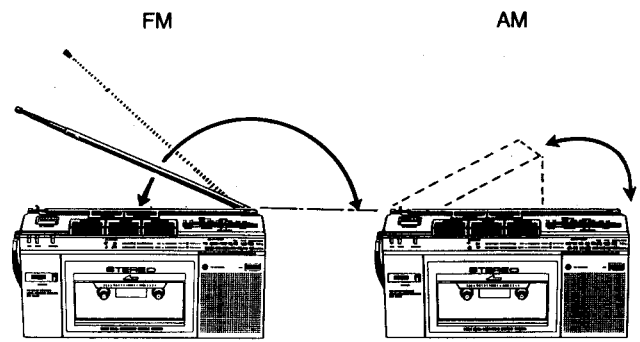
Notes:
Only when using exclusive stereo headphones
- To receive FM stereo broadcasts, set the Mode Switch to "stereo". The FM Stereo Indicator will light up and stereo sound can be heard.
- If FM stereo reception is poor (excessive noise, Stereo Indicator flickers), set the Mode Switch to "mono". This will reduce the noise and provide clear reception; however, the broadcast will not be heard in stereo.

4) **•With Headphones:**
Adjust the volume of both sides with the "L (left)" and "R (right)" Volume Controls.
•With Built-in Speaker:
Adjust the volume with only the "L (left)" Volume Control. The "R (right)" will not function.
5) Set the Tone Switch to desired tone quality; "high" or "low".
6) The radio can be tuned off by setting the Tape/Radio Selector to "off".

■ Antennas:

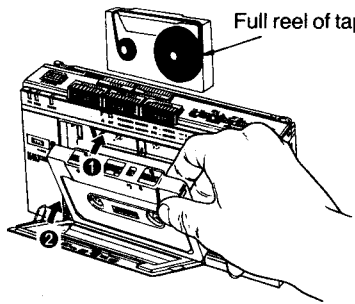
FM
- Pull out the Telescopic Antenna and adjust its length and angle for optimum reception.
  Extending the headphones cord will also improve FM reception when it is connected to the Headphones Jack.

AM:
- The sensitive ferrite core antenna inside the set will provide excellent AM reception in most areas. For optimum reception, turn the set in the direction which gives the best results since the ferrite core antenna is directional.



To play back in stereo, use the Exclusive Stereo Headphones (included).

1) Open the Cassette Compartment cover by depressing the Stop/Eject Button. Insert the cassette as shown in the figure, and then close the Cassette Compartment cover.



2) Set the Tape/Radio Selector to "tape".
3) Depress the Playback Button, and playback will begin. The Battery Indicator will light up.
4) Adjust the Volume Control(s) and Tone Switch.
5) Set the Mode Switch to "stereo", the sound is played back in stereo. (only when using the Exclusive Stereo Headphones).
6) To stop the playback, depress the Stop Button. At the end of the tape the Playback Button will release and the power will shut off automatically.

•Tape Counter and Reset Button

The digits return to "000" when the Reset Button is depressed. The digits advance with the tape to provide a reference to quickly find a desired part of the tape.

■ Fast Forward and Rewind

The tape will forward rapidly when the Fast Forward Button is depressed.
The tape will rewind rapidly when the Rewind Button is depressed.

> **Note:**
> Do not depress the Playback Button during fast forward or rewind, as this may jam the tape. Always depress the Stop Button first, between functions.

■ "Cue" and "Review"

If the Cue Button (or Review Button) is partially depressed and held down during playback, the recorded sound on the tape can be monitored at a fast speed. When the button is released, playback will resume.

> **Note:**
> If the Cue Button (or the Review Button) is depressed during recording, the Record Button will be released.

■ Automatic Stop System

When the tape reaches the end during playback or recording, the automatic stop system will release the Playback and Record Buttons and automatically turn the power off.
Note that the power is not turned off if the Tape/Radio Selector is set to "radio", the selector must be set to "off".

- This unit has an Automatic Level Control system (the recording level is automatically adjusted).
- This unit has a variable-sound monitor system, which means that the monitor sound can be adjusted using the Volume Control(s) without affecting the recording itself.

■ Recording Radio Broadcasts

1) Follow the procedure described in "LISTENING TO THE RADIO".
2) Insert the cassette into the Cassette Compartment.
3) Depress the Pause Button and then depress the Record Button.
4) Depress to release the Pause Button and the recording will begin.
5) To stop the recording, depress the Stop Button.
6) Set the Tape/Radio Selector to "off" to turn the unit off.

●Pause Button

The Pause Button can be used to temporarily stop the tape from moving during recording or playback.
Before beginning a recording, first depress and lock the Pause Button. Then, depress the Record Button. (The tape will not move.) When ready to record, depress the Pause Button to release it. This will start the tape movement for immediate recording.

Note:
Do not use the Pause Button to stop the tape for a long period of time.
The power is not turned off when the Pause Button is depressed. Always use the Stop Button to turn the power off.

●Beat-Proof switch

When an AM broadcast is recorded, the Beat-Proof Switch can be used to reduce unwanted "beat" signals which were not present before recording. Set the switch to whichever position best reduces these "beat" signals.

■ Recording through the Built-in Microphone

The built-in condenser microphone is omni-directional (all directions), so that recordings can be made from any direction.
1) Set the Tape/Radio Selector to "tape".
2) Follow the procedure described in steps (2)–(5) of "Recording Radio Broadcasts".

■ Recording from External Microphone or external Equipment (Refer to page 51)

1) Connect the external microphone or external equipment to the Microphone Jack.
   The Built-in Microphone will be automatically disconnected.
2) Set the Tape/Radio Selector to "tape".
3) Follow the procedure described in steps (2)–(5) of "Recording Radio Broadcasts".

■ Monitoring

The monitor system enables you to listen, through the Built-in Speaker, headphones, to the sound as it is being recorded. Sound can be monitored in the following ways:
- When recording from the radio, the sound being recorded can be monitored through the Built-in Speaker or Headphones.

- When recording from a sound source connected to the Microphone Jack, the sound being recorded can be monitored through the Built-in Speaker or headphones.
- To prevent feedback (howling) when recording through the Built-in Microphone, the sound being recorded cannot be monitored through the Built-in Speaker or headphones.
- When recording through an external microphone, use headphones to monitor the sound.
  If it is necessary to adjust the volume level of the sound being monitored, do so by using the Volume Controls.

Note:
If external microphones are placed too close to the speaker in this unit, feedback (howling) may be heard. If so, place the microphones as far away from the speaker as possible, or reduce the volume.

■ Erasure of Recordings

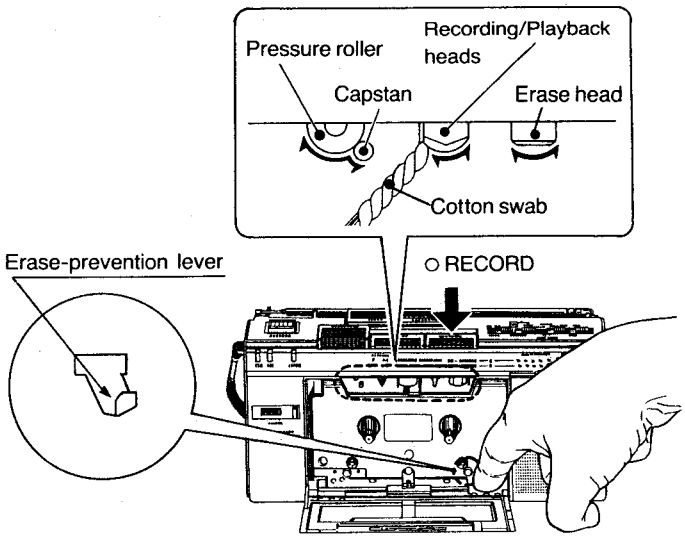
When recording, previously recorded signals on the tape will be erased automatically.

MAINTENANCE

The head assembly, capstan, and pressure roller are in constant contact with the tape. If these parts are dirty, the sound quality will be impaired. Periodically, clean these parts as shown.

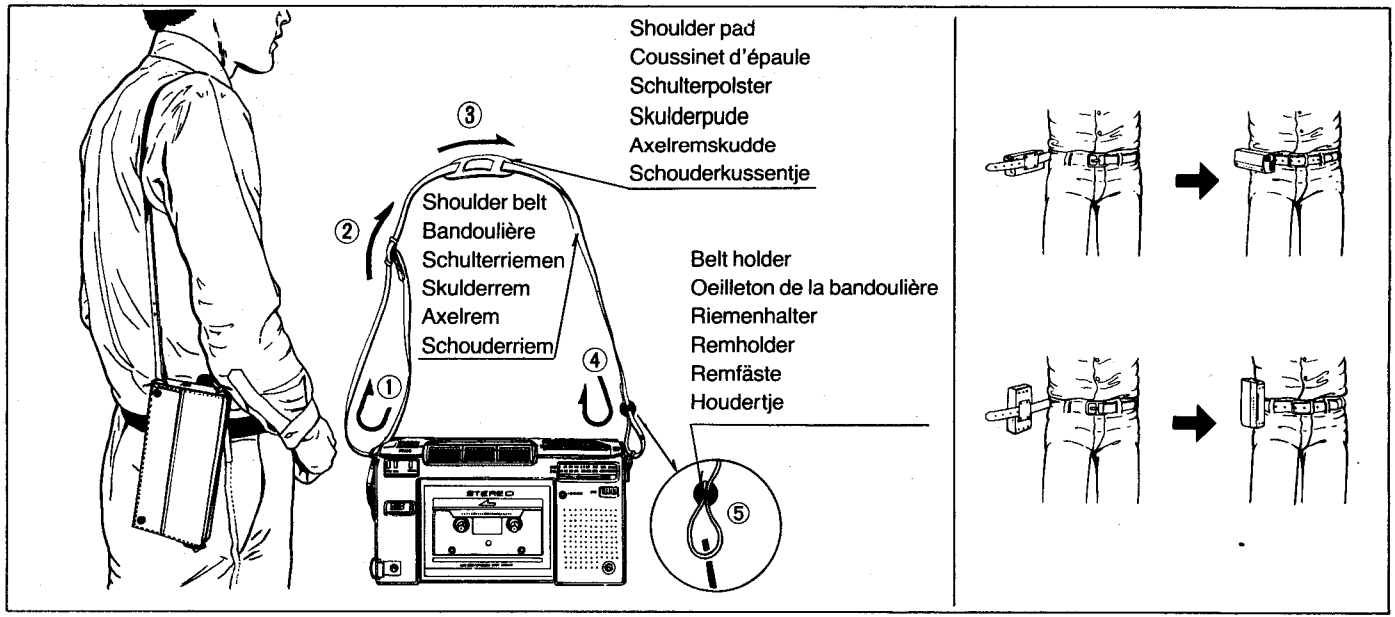
1) Open the Cassette Compartment cover by depressing the Stop/Eject Button.
2) Depress the Record Button while pushing the Erase-Prevention Lever (see the figure) located inside the Cassette Compartment. The Recording/Playback Head, Erase Head, Capstan and the Pressure Roller can be seen. Clean them with a cotton swab, or a piece of wood with a soft cloth wound around it.

Notes:
- If the heads are extremely dirty, clean them with a soft cloth dampened with a little alcohol.
- Do not bring metal articles or magnetic material, such as a screwdriver, near the head assembly.
- Do not clean the plastic cabinet with benzine or thinner. Clean it with a solution of soap and water.

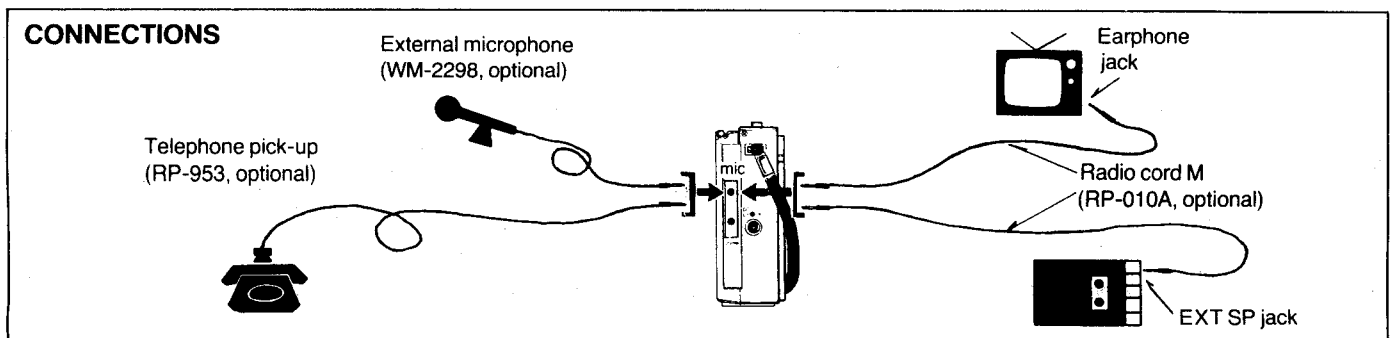


USING THE CARRYING CASE/SHOULDER BELT

Use the supplied carrying case and shoulder belt as shown in figure on page 51.



CONNECTIONS



SPECIFICATIONS

[RADIO]	
Radio Frequency Range:	FM; 87.5–108 MHz AM; 520–1610 kHz
[TAPE RECORDER]	
Track System:	4-track 2-channel stereo
Recording System:	AC bias
Erase System:	Magnet erase
Recording Time:	1 hour (with C-60 cassette tape)
Frequency Range:	150–8,500 Hz at built-in speaker 40–13,000 Hz at headphones
Monitor System:	Variable sound monitor
Speaker:	Unit; 5 cm PM dynamic Headphones; 2.2 cm×2 PM dynamic
Power Output:	Built-in speaker; 550 mW . . . RMS (max.) Headphones; 60 mW (30 mW×2) . . . RMS (max.)
Input Jack:	MIC; 0.25 mV (−72 dB) Microphone impedance; 200–600Ω DC IN; 6 V
Output Jack:	Headphones; 32Ω
Power Requirement:	Battery; 6 V (4 "AA" size batteries) AC; With optional AC adaptor (6 V, 400 mA) Car Battery; with optional car adaptor RP-917
Dimensions:	190(W)×36(D)×96(H) mm
Weight:	Unit; 620 g (without batteries) Headphones; 54 g (without connection cord)

Specifications are subject to change without notice.

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

Printed in Japan

RQX6649ZA F1080T1